We claim:

1. An intake manifold for mixing and supplying air and exhaust gas recirculation (EGR) to an internal combustion engine, the manifold comprising:

a housing for attaching to a side of an engine, the housing having a first outer wall forming one side of the manifold and having a second outer wall spaced apart from the first outer wall and forming an opposite side of the manifold;

an air intake port projecting from the first outer wall;

an EGR valve chamber extending between the first and second outer walls, a selected one of the first and second walls having a valve opening formed therein;

an EGR valve assembly inserted through the valve opening and into the valve chamber through said selected wall; and

an EGR inlet chamber extending between the first and second walls, said selected wall having an EGR supply opening formed therein; and

an EGR supply conduit connected to the inlet chamber through the supply opening in the selected wall, the EGR valve assembly and the EGR supply conduit thereby being mountable on a wall which is the same as or opposite to the first wall from which projects the intake port.

2. The intake manifold of claim 1, wherein:

the EGR inlet chamber is located equidistant from fore-and-aft ends of the manifold.

3. The intake manifold of claim 2, wherein the manifold comprises:

a pair of spaced apart EGR valve chambers, each extending between the first and second outer walls, a selected one of the first and second walls having a corresponding pair of valve opening formed therein; and

a pair of EGR valve assemblies, each valve assembly being inserted through a corresponding one of the valve openings and into the corresponding valve chamber through said selected wall, the EGR valve chambers being spaced equidistant from a fore-and-aft extending centerline of the engine manifold.

4. The intake manifold of claim 1, wherein the manifold comprises:

a pair of spaced apart EGR valve chambers, each extending between the first and second outer walls, a selected one of the first and second walls having a

corresponding pair of valve opening formed therein; and

a pair of EGR valve assemblies, each valve assembly being inserted through a corresponding one of the valve openings and into the corresponding valve chamber through said selected wall, the EGR valve chambers being spaced equidistant from a fore-and-aft extending centerline of the engine manifold.